

2-25-2002

Sheet 1 (A) of 1

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 015681/008003		SERIAL NO.							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Mark W. Miles									
(37 CFR 1.98(b))				FILING DATE		GROUP							
PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
km	AA	3	6	5	6	8	3	6	4/1972	de Cremon et al.	359	261	
km	AB	4	7	8	6	1	2	8	11/1988	Birnback	359	245	
km	AC	5	0	7	8	4	7	9	1/07/92	Vuilleumier	359	290	
km	AD	5	7	8	4	1	9	0	7/21/98	Horley	359	291	
km	AE	5	8	2	5	5	2	8	10/20/98	Goosen	359	291	
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER		PUBLICATION DATE		COUNTRY OR PATENT OFFICE		CLASS	SUBCLASS	TRANSLATION			
										YES NO			
	AL												
	AM												
	AN												
	AO												
	AP												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	AQ												
	AR												
	AS												
EXAMINER: <i>M. W. Miles</i>								DATE CONSIDERED: <i>12/22/03</i>					
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

Substitute Disclosure Form (PTO-1449)

1 of 9

SUBSTITUTE FORM PTO-1449  
(REVISED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
01568/008003

SERIAL NO.

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT  
Mark W. Miles

FILING DATE

GROUP

31002 U.S. PTO  
10/082397  
02/25/02

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
hm	AA	4 7 4 8 3 6 6	05/31/88	Taylor	310	311	
hm	AB	5 4 9 7 1 7 2	03/05/96	Doherty et al.	345	85	
hm	AC	5 5 0 0 6 3 5	03/19/96	Mott	340	323R	
hm	AD	5 6 3 6 0 5 2	06/03/97	Arney et al.	359	291	
hm	AE	5 7 1 0 6 5 6	01/20/98	Goossen	359	291	
	AF						
	AG						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AH							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

hm	AI	"Light Over Matters", June 1993, Circle No. 36						
hm	AJ	Miles, Mark, W., "A New Reflective FPD Technology Using Interferometric Modulation", Society for Information Display '97 Digest, Session 7.3						
hm	AK	Newsbreaks, "Quantum-trench devices might operate at terahertz frequencies", Laser Focus World May 1993						
hm	AL	Winton, John M., "A novel way to capture solar energy", Chemical Week, May 15, 1985						
hm	AM	Aratani, K., et al., "Surface micromachined tuneable interferometer array", Sensors and Actuators, 1994, pp. 17-23						
	AN							

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DATE CONSIDERED

12/22/83

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
01568/ 008085

SERIAL NO.

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Mark W. Miles

FILING DATE

GROUP

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BM	AA	5	3	1	1	3	6	0	05/10/94	Bloom et al.	359	572	
BM	AB	5	4	0	1	9	8	3	03/28/95	Jokerst et al.	257	82	
	AC	5	4	5	9	6	1	0	10/17/95	Bloom et al.	359	572	
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK							
	AL							
	AM							
	AN							
	AO							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	AP							
	AQ							
	AR							

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DATE CONSIDERED

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 01568/ 068003		SERIAL NO.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.98(b))				APPLICANT Mark W. Miles			
				FILING DATE		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	AL	WO 95/30924	16Nov95	PCT	G02F 1/31		
	AM						
	AN						
	AO						
	AP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	AQ						
	AR						
	AS						
EXAMINER				DATE CONSIDERED			
<i>Man</i>				<i>12/22/03</i>			
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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 01568/- 008203		SERIAL NO.								
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Mark W. Miles										
				FILING DATE		GROUP								
U.S. PATENT DOCUMENTS														
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
dm	AA	5	1	6	8	4	0	6	12/01/92	Nelson	359	855		
dm	AB	5	5	7	9	1	4	9	11/26/96	Moret et al.	359	223		
dm	AC	5	6	1	9	0	5	9	04/08/97	Li et al.	257	431		
dm	AD	4	9	8	2	1	8	4	01/01/91	Kirkwood	345	84		
dm	AE	2	5	3	4	8	4	6	12/19/50	Ambrose et al.	348	270		
dm	AF	3	4	3	9	9	7	3	04/22/69	Paul et al.	359	352		
dm	AG	3	4	4	3	8	5	4	05/13/69	Weiss	359	278		
dm	AH	3	6	5	3	7	4	1	04/04/72	Marks	359	486		
dm	AI	3	8	1	3	2	6	5	05/28/74	Marks	427	473		
dm	AJ	3	9	5	5	8	8	0	05/11/76	Lierke	359	291		
dm	AK	4	0	9	9	8	5	4	07/11/78	Decker et al.	359	278		
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION														
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION		
												YES	NO	
	AL													
	AM													
	AN													
	AO													
	AP													
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)														
	AQ	Akasaka, "Three-Dimensional IC Trends", Proceedings of IEEE, Vol. 74, No. 12, Dec. 1986, pp. 1703-1714.												
dm	AR	Aratani, et al., "Process and Design Considerations for Surface Micromachined Beams for a Tuneable Interferometer Array in Silicon", Proc. IEEE Microelectromechanical Workshop, Florida, Feb. 7-10, 1993, pp. 230.												
dm	AS	Conner, "Hybrid Color Display Using Optical Interference Filter Array", SID Digest 1993, pp. 577-580.												
EXAMINER Man									DATE CONSIDERED 12/22/03					
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.														

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Mark W. Miles									
				FILING DATE		GROUP							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
HM	BA	4	2	2	8	4	3	7	10/14/80	Shelton	343	909	
HM	BB	4	3	7	7	3	2	4	03/22/83	Durand et al.	359	578	
HM	BC	4	3	8	9	0	9	6	06/21/83	Hori et al.	349	5	
HM	BD	4	4	0	3	2	4	8	09/06/83	te Velde	348	755	
HM	BE	4	4	4	5	0	5	0	04/24/84	Marks	307	145	
HM	BF	4	5	1	9	6	7	6	05/28/85	te Velde	359	223	
HM	BG	4	5	3	1	1	2	6	07/23/85	Sadones	342	173	
HM	BH	4	6	6	3	0	8	3	05/05/87	Marks	252	583	
HM	BI	4	6	8	1	4	0	3	07/21/87	te Velde et al.	349	41	
HM	BJ	4	7	9	0	6	3	5	12/13/88	Apsley	359	260	
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO	
	BK												
	BL												
	BM												
	BN												
	BO												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
HM	BP	Goosen, et al., "Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with 1Mbit/sec Capability for Fiber-in-the-Loop Appln.", IEEE Photonics Technology Letters, Sept. 1994.											
HM		BQ	Goosen, et al., "Possible Display Applications of the Silicon Mechanical Anti-Reflection Switch", Society for Information Display, 1994.										
HM	BR		Gosch, "West Germany Graps the Lead in X-Ray Lithography", Electronics, Feb. 5, 1987, pp. 78-80.										
EXAMINER Mori									DATE CONSIDERED 12/22/03				
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													



SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 01568/ 008003	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Mark W. Miles	
(37 CFR 1.98(b))		FILING DATE	GROUP

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA						
DB						
DC						
DD						
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DI						
DJ						
DK						

### FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
DL						
DM						
DN						
DO						
DP						

### OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	DQ	Johnson, "Optical Scanners", Microvasive Scanning Antennas, Vol. 1, pp. 251 et seq.
	DR	Oliner, "Radiating Elements and Mutual Coupling", Microwave Scanning Antennas, Vol. 2, p. 131 et seq.
	DS	Raley et al., "A Fabry-Perot Microinterferometer for Visible Wavelengths", IEEE Solid-State Sensor and Actuator Workshop, June 1991, Hilton Head, SC

EXAMINER <span style="font-family: cursive; font-size: 1.2em;">Mac</span>	DATE CONSIDERED <span style="font-family: cursive; font-size: 1.2em;">12/22/03</span>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Mark W. Miles		FILING DATE	
(37 CFR 1.98(b))				GROUP			

  

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	EA						
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	EJ						
	EK						

  

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
							YES NO
	EL						
	EM						

  

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
	EN	Sperger, et al., "High Performance Patterned All-Dielectric Interference Colour Filter for Display Appln.", SID Digest, 1994.
	EO	Stone, "Radiation and Optics, An Introduction to the Classical Theory", McGraw-Hill, pp. 340-343.
	EP	Walker, et al., "Electron-beam-tunable Interference Filter Spatial Light Modulator", Optics Letter Vol. 13, No. 5., p. 345, 1988.
	EQ	Wu, "Design of a Reflective Color LCD Using Optical Interference Reflectors", ASIA Display '95, October 16, pp. 929-931.

  

EXAMINER <span style="font-family: cursive; font-size: 1.2em;">Moi</span>	DATE CONSIDERED <span style="font-family: cursive; font-size: 1.2em;">12/22/03</span>
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7/03/03

1 of 2

<b>Substitut for Form 1449/PTO (Modified)</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/082,397
				Filing Date	August 6, 2002
				First Named Inventor:	Mark W. Miles
				Group Art Unit	2873
				Examiner Name	Not yet assigned
Sheet	1	of	2	Attorney Docket Number	05652.P013XCD

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
km		3,725,868		Malmer, Jr. et al.	04-02-1973	
km		4,196,396		Smith	04-01-1980	
km		4,459,182		te Velde	07-10-1984	
km		4,937,496		Neiger et al.	06-26-1990	
km		5,136,669		Gerdt	08-04-1992	
km		5,142,414		Koehler	08-25-1992	
km		5,228,013		Bik	07-13-1993	
km		5,324,683		Fitch et al.	06-28-1994	
km		5,326,430		Cronin et al.	07-05-1994	
km		5,345,328		Fritz et al.	09-06-1994	
km		5,381,232		van Wijk	01-10-1995	
km		5,526,327		Cordova, Jr.	06-11-1996	
km		5,552,925		Worley	09-03-1996	
km		5,629,790		Neukermans et al.	05-13-1997	
km		5,633,652		Kanbe et al.	05-01-1997	
km		5,638,084		Kalt	06-10-1997	
km		5,636,185		Brewer et al.	06-03-1997	
km		5,638,946		Zavracky	06-17-1997	
km		5,641,391		Hunter et al.	06-24-1997	
km		5,673,139		Johnson	09-30-1997	
km		5,683,591		Offenberg	11-04-1997	
km		5,959,763		Bozler et al.	09-28-1999	
km		5,986,796		Miles	11-16-1999	
km		6,040,937		Miles	03-01-2000	
km		6,055,090		Miles	04-25-2000	

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				
km		EPO	0,667,548	A1	AT & T Corp.	8/16/95		
km		JP	405,275,401	A1	Ikeda	10/22/93		

Examiner Signature	Mai	Date Considered	12/13/03
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

2 of 2

Substitut for Form 1449A/PTO (Modified) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/082,397
				Filing Date	August 6, 2002
				First Named Inventor:	Mark W. Miles
				Group Art Unit	2873
				Examiner Name	Not yet assigned
Sheet	2	of	2	Attorney Docket Number	05652.P013XCD
<b>OTHER ART - NO PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
hm		Science and Technology, The Economist, May 22, 1999, pp. 89-90.			
hm		Fan et al., "Channel Drop Filters in Photonic Crystals," Optics Express, Vol. 3, No. 1, 1998.			
hm		Giles et al., "A Silicon MEMS Optical Switch Attenuator and Its Use in Lightwave Subsystems," IEEE Journal.			
hm		Joannopoulos et al., Photonic Crystals, "Molding the Flow of Light," copyright 1995.			
hm		Kim et al. "Control of Optical Transmission Through Metals Perforated With Subwave-length Hole Arrays," Optic Letters, Vol. 24, No. 4, February 15, 1999, pp. 256-257.			
hm		Lin et al., "Free-Space Micromachined Optical Switches for Optical Networking," IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 1, Jan/Feb. 1999, pp. 4-9.			
hm		Little et al., "Vertically Coupled Microring Resonator Channel Dropping Filter," IEEE Photonics Technology Letters, Vol. 11, No. 2, 1999.			
hm		Magel, "Integrated Optic Devices Using Micromachined Metal Membranes," SPIE Vol. 2686, 0-8194-2060-3/1996.			
hm		Nagami et al., "Plastic Cell Architecture: Towards Reconfigurable Computing For General-Purpose," IEEE, 0-8186-8900 -5/98, pp. 68-77.			
hm		Zhou et al., "Waveguide Panel Display Using Electromechanist Spatial Modulators" SID Digest, Vol. XXIX, 1998.			

Examiner Signature	Ma	Date Considered	12/13/03
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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1 of 2

Substitute for Form 1449A/PTO (Modified)		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	10/082.397
		Filing Date	August 6, 2002
		First Named Inventor:	Mark W. Miles
		Group/Art Unit	2873
		Examiner Name	Not yet assigned
Sheet 1 of 2	Attorney Docket Number	05652.P013XCD	

U.S. PATENT DOCUMENTS						
Exam. Initial <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
		3,725,868		Maimor, Jr. et al.	04-02-1973	
		4,196,396		Smith	04-01-1980	
		4,459,182		te Velde	07-10-1984	
		4,937,496		Neiger et al.	06-26-1990	
		5,136,669		Gerd	08-04-1992	
		5,142,414		Koehler	08-25-1992	
		5,228,013		Blk	07-13-1993	
		5,324,683		Fitch et al.	06-28-1994	
		5,326,430		Cronin et al.	07-05-1994	
		5,345,328		Fritz et al.	09-06-1994	
		5,381,232		van Wijk	01-10-1995	
		5,526,327		Cordova, Jr.	06-11-1996	
		5,552,925		Worley	09-03-1996	
		5,629,790		Neukermans et al.	05-13-1997	
		5,633,652		Kanba et al.	05-01-1997	
		5,638,084		Kali	06-10-1997	
		5,636,185		Brewer et al.	06-03-1997	
		5,638,946		Zayracky	06-17-1997	
		5,641,391		Hunter et al.	06-24-1997	
		5,673,139		Johnson	09-30-1997	
		5,683,591		Offenberg	11-04-1997	
		5,959,763		Bozler et al.	09-28-1999	
		5,986,796		Miles	11-16-1999	
		6,040,937		Miles	03-01-2000	
		6,055,090		Miles	04-25-2000	

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Exam. Initial <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Office <sup>2</sup>	Number	Kind Code <sup>4</sup> (If known)				
		EPO	0,667,548	A1	AT & T Corp.	8/16/95		
		JP	405,275,401	A1	Ikeda	10/22/93		

Examiner Signature	Date Considered
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449A/PTO (Modified) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/082,397
				Filing Date	August 6, 2002
				First Named Inventor:	Mark W. Miles
				Group Art Unit	2873
				Examiner Name	Not yet assigned
				Attorney Docket Number	05652.P013XCD
Sheet	2	of	2		
<b>OTHER ART - NO PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
		Science and Technology, The Economist, May 22, 1999, pp. 89-90.			
		Fan et al., "Channel Drop Filters in Photonic Crystals," Optics Express, Vol. 3, No. 1, 1998.			
		Giles et al., "A Silicon MEMS Optical Switch Attenuator and Its Use in Lightwave Subsystems," IEEE Journal.			
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		Zhou et al., "Waveguide Panel Display Using Electromechanical Spatial Modulators" SID Digest, Vol. XXIX, 1998.			
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